

**A STUDY ON MANGANESE , ZINC AND COPPER CONTENTS
IN THE LEAVES OF SOME SAUDI ARABIAN DATR PALM
CULTIVARS**

BY

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ABSTRACT

The manganese, zinc and copper contents of the leaves of four Saudi Arabian date palm cultivars namely, Seleg, Sakhi, Nebut Seif and Khudari were determined during two seasons.

The average concentrations of these elements ranged between 32 to 74 ppm for Mn, 16 to 23 ppm for Zn and 12 to 17 ppm for Cu in the leaves of the four cultivars.

Manganese content showed a gradual increase during the growing season in the leaves of the four cultivars. With respect to zinc content, it was almost constant throughout the season. However, the copper content did not follow a consistent trend.